AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions, and listings, of claims in the captioned patent application:

Listing of Claims:

1. (Currently Amended) An implant ~~arrangement~~ system for increasing the stress resistance of ~~upper~~ an upper jaw bone ~~implants~~ implant comprising:

an ~~implant~~ implant, ~~having~~ comprising a length ~~which requires that parts of the implant must be given~~ configured to allow access by the implant to a sinus ~~cavity~~ cavity when the implant is inserted into a hole in the jaw bone, ~~wherein the implant, at said parts of the implant, comprises~~ a ~~convex or~~ rounded front part configured to ~~which, upon access to the sinus cavity, lifts~~ push but not pierce a sinus mucous membrane at the sinus cavity, ~~without piercing the sinus mucous membrane, and thus forms~~ thereby lifting the mucous membrane and forming a closed space between ~~the parts and~~ said rounded front part and ~~an underside of~~ the mucous ~~membrane,~~ membrane; and ~~wherein the implant includes, at least at said parts of the implant, with~~

at least one growth-stimulating substance ~~which interacts~~ disposed on said implant and configured to interact with cell-containing body fluid ~~which has penetrated or is~~ penetrating into ~~the~~ said formed closed space, ~~so that~~ and to form new bone ~~is formed~~ around said front parts of the implant ~~and thereby increases~~, thereby increasing the stress resistance of the upper jaw bone implants.

2. (Currently Amended) The arrangement of claim 1, wherein a surface of the ~~convex or~~ rounded front ~~surface~~ part and at least one contiguous outer surface of the implant situated in the sinus cavity are coated with one or more layers of the at least one growth-stimulating substance.

3. (Currently Amended) The arrangement of claim 2, wherein at least sides of ~~said convex or~~ the rounded front part surface and ~~contiguous~~ outer surface of the implant include a rough outer layer ~~or a porous outer oxide layer functioning as~~ configured to be a reservoir for said at least one growth-stimulating substance.

4. (Previously Presented) The arrangement of claim 1, wherein the implant is made of titanium and is coated with the at least one growth-stimulating substance along most of said length.

5. (Previously Presented) The arrangement of claim 1, wherein the at least one growth-stimulating substance comprises one or more of the following: matrix molecules, growth factors, differentiation factors and peptides with growth-stimulating properties.

6. (Previously Presented) The arrangement of claim 1, wherein the implant is arranged in an upper jaw bone with reduced height.

7. (Currently Amended) The arrangement of claim 1, wherein~~, in an initial stage,~~ an outer ~~parts~~ surface of the implant include a mechanical anchoring member ~~which can be connected on or at an~~ configured to connect to an outer surface of a jaw bone.

8. (Currently Amended) The arrangement of ~~claim 1~~claim 7,

wherein ~~the implant can be given an~~ the anchoring member ~~which~~ is configured to be dependent on a degree of insertion of the ~~implant in~~ implant into the sinus cavity, wherein[[,]] a greater degree of insertion provides a greater volume for the ~~enclosed~~ formed closed space for the body fluid and the interaction ~~between~~ with the at least one growth-stimulating substance ~~and substances and cells in the body fluid, which provides~~ thereby providing a greater area of formation of new bone.

9. (Currently Amended) The arrangement of claim 1, further comprising:

~~wherein the arrangement comprises~~ a member ~~which can~~ configured to be introduced ~~into a~~ through the jaw bone hole ~~extending~~ from an outer surface of a jaw bone and positioned between the underside of the sinus mucous membrane and a boundary wall of the jaw bone, and further configured to releasingly separate the sinus mucous membrane from the boundary wall of the jaw bone by turning the member, thereby effecting a rotation movement of the member. ~~and opening into the sinus on an underside of the sinus mucous membrane wherein, in an inserted position below said underside of the sinus mucous membrane, the member is designed to effect at least one rotation movement as a function of a turning action, and wherein one or more front parts of the member are designed to pass in between a boundary wall of the sinus or jaw bone and the underside of the mucous membrane and, upon said at least one rotation movement, to free or release the sinus mucous membrane from the boundary wall.~~

10. (Currently Amended) An implant for penetrating a sinus of an implantee, comprising ~~a convex or~~ :

a rounded front surface ~~which is designed~~ configured to ~~cooperate with~~ push but not penetrate a sinus mucous membrane in the sinus, via an underside of the sinus mucous membrane, to form an enclosed space between the implant and an underside of the mucous membrane; and

~~, wherein at least the front surface and parts of the implant which penetrate or have penetrated into the sinus are coated with~~ at least one growth-stimulating substance, coated on a front surface and parts of said implant configured to push the sinus mucous membrane, arranged to interact with cell-containing body fluid in said enclosed space in order to form new bone around the front surface and the parts of the implant ~~which penetrate or have penetrated~~ configured to push into the sinus.

11. (Currently Amended) The implant of claim 10, wherein sides of the front surface and said parts of the implant ~~which penetrate or have penetrated into the sinus have~~ configured to push the sinus mucous membrane further comprises:

a roughened outer surface ~~or porous outer oxide layer~~ arranged to store said at least one growth-stimulating substance.

12. (Previously Presented) The implant of claim 10, wherein the implant is made of titanium or ceramic.

13. (New) The implant of claim 1, wherein the implant comprises ceramic.

14. (New) The implant of claim 3, wherein said rough outer layer is a porous outer oxide layer.

15. (New) The implant of claim 11, wherein said roughened outer surface is a porous oxide layer.